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Record of Decision

Site Name: Northrop Grumman - Bethpage Facility Operable Unit 03 *

DEC Site #: 130003A

Bethpage, Nassau County

The New York State Department of Environmental Conservation (NYSDEC) announces that the printed Record of Decision (ROD) for the the Northrop Grumman - Bethpage Facility site ("site") located at Hicksville Road, Bethpage, Nassau County is available for public review (see "Where to View the ROD," below).

On Tuesday, June 12, 2012 NYSDEC held a public meeting presenting the Proposed Remedial Action Plan (PRAP) for the site. The comments received at this meeting and during the public comment period (May 30, 2012 through July 31, 2012), along with the administrative record, were considered in preparing the final ROD for the site. The ROD presents the remedy selected to address contamination related to the site and the rationale for the chosen remedy.

After careful consideration of the comments received from the public and/or additional site information, the remedy was modified to address the concerns of the public and/or the additional site information. A Responsiveness Summary addressing the public comments received is also included in the ROD.

The following is a summary of the chosen remedy described in the ROD:

1. Implementation of a remedial design program to provide the details necessary for the construction, maintenance and monitoring of the remedial program.
2. The Former Grumman Settling Ponds (Settling Ponds) area, located in the ball fields and areas adjacent to the ball fields in the Bethpage Community Park, will be excavated to remove PCB contaminated fill from an approximately three acre area. Chromium sludge which is co-located with the PCB impacted soil will be removed to the extent necessary to achieve the PCB removal goals.
3. A site cover will be required to allow for restricted residential use of the Park. The cover will consist either of the structures such as buildings, pavement, sidewalks comprising the site development or a soil cover in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs).
4. The Grumman Access Road right-of-way area will be excavated to remove PCB and chromium contaminated fill from an approximately 1,000 foot long area beneath and adjacent to the access road.

**Operable Unit:* An administrative term used to identify a portion of a site that can be addressed by a distinct investigation and/or cleanup approach. An operable unit can receive specific investigation, and a particular remedy may be proposed.

5. The approximately 1 acre VOC source area(s) in a low permeability zone present 40 feet below ground in the Settling Pond area will be remediated using an in-situ thermal desorption and soil vapor extraction technology.
6. Residential yards located between Sycamore Avenue and the Grumman Access Road, where design sampling identifies PCBs at levels greater than 1 ppm and/or chromium in excess of the residential SCO, will be excavated followed by restoration of the yards. Soils in the recharge basin in the Park, where sampling identifies site-related contamination in excess of restricted residential SCOs, will be excavated.
7. The areas to be excavated and backfilled, with the exception of the Settling Ponds area subject to the on-site soil management plan, will be backfilled with fill material brought to the site which meets the requirements for the identified site use. Excavated areas will be graded and restored to pre-excavation conditions, unless an alternative restoration is agreed to with the property owner.
8. The existing groundwater extraction and treatment IRM at the Park will continue to be operated and upgraded as necessary, based on a review of its effectiveness, to assure the capture/containment of the full depth and area of contaminated groundwater leaving the Park.
9. Continue operation of the existing IRM soil vapor extraction and treatment system in place along the Grumman Access Road to prevent migration of contaminated soil vapor.
10. Groundwater extraction wells with necessary treatment will be installed in the groundwater plume emanating from OU3 in a location upgradient of Bethpage Water District Plant 4. This system will be designed to capture and treat the contaminant mass moving through the hot spot area of the plume to the extent practicable and, at a minimum, 90 percent of the mass. Additional wells will be installed and monitored to complete a 3 dimensional delineation of the leading edge of the OU 3 plume. This information will be utilized to assess whether the remedy for the contaminated groundwater in this area needs to be re-evaluated.
11. The Wellhead Treatment Contingency Plan put in place as a requirement of the OU 2 ROD will remain in place.
12. Imposition of an institutional control in the form of an environmental easement that will require periodic certification of institutional and engineering controls, allow the use and development of the controlled property for restricted residential use, restrict the use of groundwater at the property, and require compliance with the Site Management Plan.
13. A Site Management Plan is required which will govern institutional and engineering controls, monitoring, and operation and maintenance of all aspects of Operable Unit 3 following implementation of this remedy.

Additional Details

Following discussions held between NYSDEC, the United States Environmental Protection Agency, Northrop Grumman Systems Corporation, and the United States Navy, a decision has been made to conduct further investigation of the southern portion of the western lobe of the OU2 groundwater plume (referred to as the VPB 126/128 area). This area is south of Hempstead Turnpike and west of Hicksville Road and is upgradient of the Aqua New York Seamans Neck Road wellfield. The objective is to determine whether there is a groundwater hot spot in this area which requires remediation. This effort is consistent with the OU2 Record of Decision which was issued by the Department in March 2001. Under this plan, during the next two years this area of the OU2 plume will be further delineated and, if warranted, a design will be prepared for a projected 1 to 3 recovery wells and the associated treatment system. Implementation of the pumping and treatment would follow.

Where to View the ROD:

The site ROD with Responsiveness Summary can be reviewed at the following locations:

Bethpage Public Library
Attn: Ms. Lois Lovisolo
Powell Avenue
Bethpage, NY 11714
phone: 516) 931-3907

Project documents are also available on the NYSDEC website at:

<http://www.dec.ny.gov/chemical/8431.html>

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project Related Questions

Steven Scharf
Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7015
518-402-9620
sxscharf@gw.dec.state.ny.us

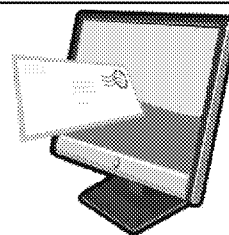
Site-Related Health Questions

Steven Karpinski
New York State Department of Health
547 River Street Flanagan Square
Troy, NY
518-402-7880
sxk23@health.state.ny.us

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

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Have site information such as this fact sheet sent right to your email inbox. NYSDEC invites you to sign up with one or more contaminated sites county email listservs available at the following web page:
<http://www.dec.ny.gov/chemical/61092.html>. It's quick, it's free, and it will help keep you *better informed*.



As a listserv member, you will periodically receive site-related information/announcements for all contaminated sites in the county(ies) you select.

Note: Please disregard if you already have signed up and received this fact sheet electronically.